

Performance Data Sheet

TPG1410YXA

General Information

Model	TPG1410YXA	Refrigerant	R-134a
Test Condition	ASHRAE	Performance Test Voltage	115V ~ 60HZ
Return Gas	32.2°C (90°F) RETURN GAS	Motor Type	PTCS_CR

Performance Information

Evap	Condensing Temperature (°C)					
Temp (°C)		30	40	50	60	
-40	Btu/h	377	304	218	129	
	Watts (Power)	104	101	96.1	86.1	
	Amps	0.96	0.93	0.89	0.85	
	Lb/h	3.76	2.76	1.62	0.47	
-35	Btu/h	696	610	504	389	
	Watts (Power)	133	130	126	117	
	Amps	1.20	1.18	1.14	1.09	
	Lb/h	7.69	6.59	5.22	3.72	
-30	Btu/h	989	898	780	644	
	Watts (Power)	156	157	155	148	
	Amps	1.40	1.40	1.39	1.34	
	Lb/h	11.4	10.2	8.73	6.98	
	Btu/h	1290	1200	1070	927	
-25	Watts (Power)	175	181	184	181	
	Amps	1.56	1.61	1.63	1.62	
	Lb/h	15.1	14.1	12.5	10.6	
	Btu/h	1400	1310	1190	1030	
-23.3	Watts (Power)	180	189	194	192	
	Amps	1.61	1.68	1.72	1.72	
	Lb/h	16.5	15.5	14.0	12.0	
-20	Btu/h	1620	1540	1420	1270	
	Watts (Power)	191	203	213	216	
	Amps	1.69	1.81	1.89	1.93	
	Lb/h	19.4	18.5	17.0	15.1	
-15	Btu/h	2020	1960	1850	1700	
	Watts (Power)	204	226	244	254	
	Amps	1.80	2.02	2.18	2.28	
	Lb/h	24.5	23.9	22.6	20.6	
-10	Btu/h	2520	2480	2380	2240	
	Watts (Power)	216	248	277	297	
	Amps	1.91	2.23	2.50	2.69	
	Lb/h	30.9	30.6	29.5	27.7	

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	3.312760E+03	6.799749E+01	-9.255481E-02	3.875896E+01
C2	1.396746E+02	-7.244386E+00	-8.266223E-02	1.711104E+00
C3	3.502358E+01	4.830481E+00	8.319654E-02	5.551702E-01
C4	3.304745E+00	-8.719371E-02	-8.015241E-04	4.118254E-02
C5	1.340589E+00	3.364310E-01	3.891480E-03	1.991931E-02
C6	-5.443724E-01	4.727389E-02	-2.636242E-04	-8.094673E-03
C7	4.045583E-02	1.197428E-03	1.331879E-05	4.949791E-04
C8	1.459013E-02	3.746973E-03	4.135832E-05	1.863890E-04
C9	-7.130979E-03	-4.282845E-04	-9.228348E-06	-1.170528E-04
C10	1.635645E-03	-5.996536E-04	-1.092074E-06	2.237479E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature